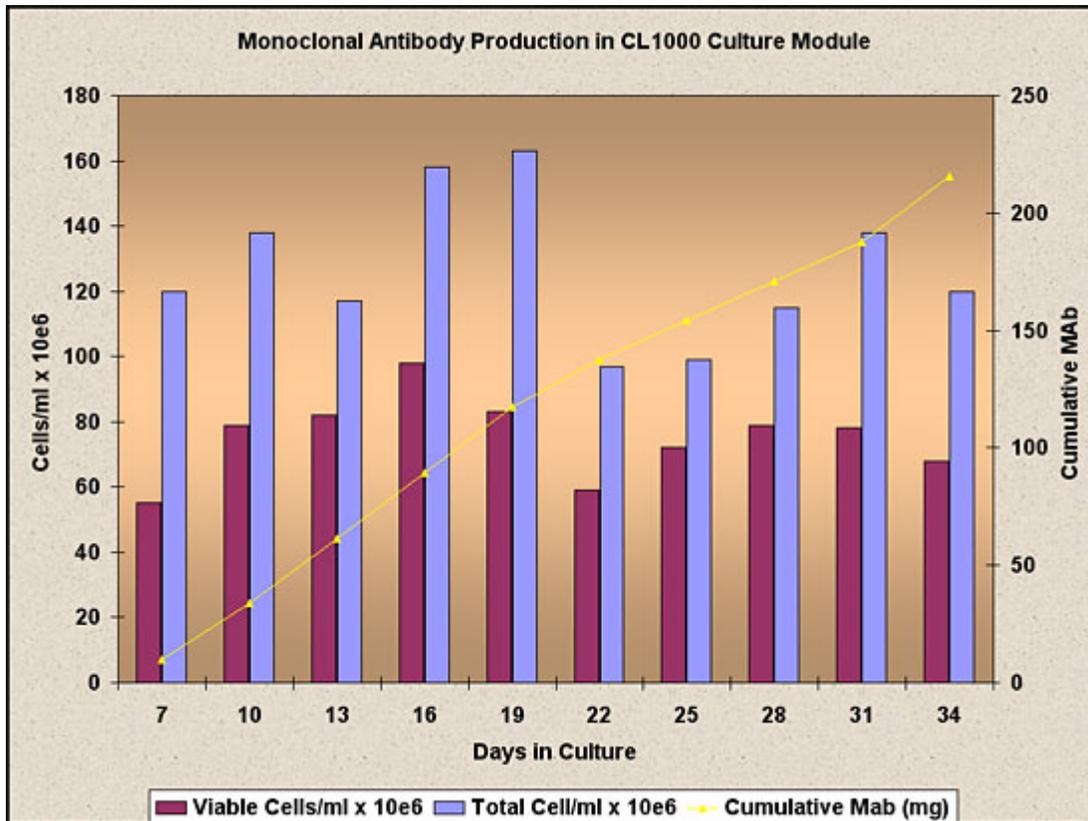


Eukaryotic Expression Group

High concentration antibody production example



An IgG1K-secreting hybridoma was adapted to grow in protein-free medium and inoculated into the CL1000 culture module. Following a seven day growth period, supernatant and cells were removed at intervals of three days for recovery of the highly concentrated monoclonal antibody-containing medium. Approximately 30% of the culture volume was mixed with fresh medium and re-inoculated into the culture module. The monoclonal antibody concentration in the recovered supernatant ranged from 1.12-2.3 mg/ml. The culture was maintained for 34 days and with a cumulative antibody harvest of 215 milligrams.